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H. Brenner, G. Dressel. UNCL

GERMAN, per, Forschungsgemeinschaft Bauen und
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DSIR 34595/CT

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GERMAN, per, Forschung auf dem Gebiete des
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SIA TT-64-16122

Sci - KMach, Fabri and accessory
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Extraction of Titanium-slag-concentrates
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GERMAN, per, Forsch Ber Wirt u Vork Minist
NRhein-Westf, No 342, 1956, pp 1-47.

CSIRO No 9836

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Abstracting Services, by H. A. Elsner. UNCL

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Documentation Work, by J. Mathieu, S. Barlen.
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GERMAN, per, Forschung Berichte Wirts-u. Verkehrsw
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Bending and Buckling Strength of Blistered Sheets,
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e.V. Mitteilungen, No 14, 1957, p 4.

Navy/BuShips Tr -652
OTS 59-12036

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Vol 8, No 2

A New Method of Testing for Deep Drawability, and
Application of This Method, by W. Engelhardt.
GERMAN, per, Forschungsges. Blechverarb. Mitt.,
1 Nov 1959, *pp 287-292*
BIBI 5087

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Determination of Stress in Blanks and
Press Force in Deep Drawing and Stretching
With Various Drawing Ratios, by H. Maekelt. 10 p.
GERMAN, per, Forschungsgesellschaft Blechverarbei-
tung e. V. Mitteilungen, No 5, 1960, pp 50-55.
SLA TT-66-10711

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Blum, H.
MEASURES FOR GRAIN REFINEMENT IN PHOS-
PHATING. 14 Nov 62, 1250 words.
Order from TTIS \$10.00

TTIS PN 82

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e. V. Mitt[eilungen] (West Germany) 1961, no. 21/22,
p. 294-296.

DESCRIPTORS: *Phosphates, Grains (Metallurgy),
Measurement.

(Metallurgy, TT, v. 9, no. 2)

- I. Blum, H.
- II. TTIS PN-82
- III. Translation and Technical
Information Services
(Gt. Brit.)

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Krafczyk, K.
NEUTRALISATION OF HYDROCHLORIC ACID
PICKLE LIQUOR. Oct 62, 3000 words.
Order from TTIS \$36.00 TTIS 2422

Trans. of Forschungsges[ellschaft] Blechverar-
beitung e. V. J. Mitteilungen (Germany) 1962 [6 Jan]
p. 143-150.

DESCRIPTORS: *Pickling compounds, *Hydrochloric
acid, Processing, Neutralization.

(Engineering--Chemical, TT, v. 9, no. 2)

62-34402

I. Krafczyk, K.
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*BISI 3158

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GERMAN, per, Forschungsges. Blechverarbeitung
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Bulletin), No 44, 15, Aug 1, 1962.
BISI 3201

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TT-64-14132

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THE PROBLEM OF THE ROLLER LOAD ON SPIN-
NING MACHINES IN THE PROCESSING OF MAN-
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Order from SLA \$2.60 TT-64-14132

Trans. from mono. (report) of Forschungsgesellschaft
für Chemiefaserverarbeitung mbH (Research Associates
for the Processing of Chemical Fibers) n.p., 196-?

DESCRIPTORS: *Machines, Loading (Mechanics),
*Fibers (Synthetic), Processing, *Drawing (Machine
processing), Textile industry, Mechanical properties,
Pressure, Spinning.

(Materials--Textiles, TT, v. 11, no. 9)

I. Title: Rolls
I. Kirschner, E.
II. Forbriger, E.

Office of Technical Services

Ritter, D.
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TISSUE CULTURES (Über die Bestimmung der
Zellvermehrung in Gewebekulturen). [1963] 13p. 13 refs.
Order from SLA \$1.60 63-18002

Trans. of mono. of Forschungslaboratorien der CIBA
A. G., Pharmazeutische Abteilung, Basel, 1963.

DESCRIPTORS: Cells (Biology), Reproduction, *Tissue
cultures, Temperature, Proteins, Antimetabolites.

The influence of the serum concentration in the culture
medium, the influence of the incubation temperature
and the influence of an antimetabolic on cell increase and
the protein content of the individual cells was examined
on monolayer cultures. It was found that the protein
content of one cell varies considerably with these
culture conditions. For instance on addition of 0.1 µg.
(Biological Sciences--Microbiology, TT, v. 10, no. 8)
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I. Ritter, D.

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GERMAN, mono, Forschungsgesellschaft Fuer das
Strassenwesen Arbeitsgruppe Interbau Schriftenreihe
1960.
SLA TT 65-13631

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Sea, by W. Findeisen.

GERMAN, per, Forsch und Erfahrber Reichsamt
Wett Dienst, No 8, 1942, pp 3-12.

CSIRO/No 9736

Sci-Atmos Sci
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TT-61-14427

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CRAFT AND ROTATORIUM (Physiologisch-Optische
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Order from SLA \$1.10

1. Tschermak-Seysenegg, A.

TT-61-14427

Trans. from Forschungen und Fortschritte (Germany)
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(Biological Sciences--Physiology. TT, v. 12, no. 6)

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Everling, Emil.
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19 refs.
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Trans. of Forschungen und Fortschritte (Germany)
1949, v. 25, no. 11/12, p. 126-128.

DESCRIPTORS: *Ear, Physiology, *Velocity,
Measurement.

(Biological Sciences--Physiology, TT, v. 6, no. 4)

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1. Title: Angular velocity
1. Everling, E.

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Kordes, Ernst. DEPRESSION OF FREEZING POINT IN DISSOCIATING SOLVENTS, PARTICULARLY IN ELECTROLYTES. [1963] 6p Order from SLA \$1.10 Trans. of <u>Forschungen und Fortschritte</u> (East Germany) 1950, v. 26, sonderheft no. 2, p. 21-22. (Chemistry--Physical, TT, v. 11, no. 11)	TT-64-14387 I. Kordes, E. TT-64-14387 SLA 22/14387 Office of Technical Services
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Vol 36, Book No 10, 1962, pp 298-301.
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GERMAN, rpt, Forschungsinstitut des
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pp 47-54.
*NASA TT F-10,475

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RADAR TRACKING OF AURORAL ECHOES, BY K. SPRENGER,
GERMAN, PER, FORSCH FORTSCHRITTE, VOL XXXV, NO 6,
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ON INTERMETALLIC COMPOUNDS. [1962] 6p.
Order from ATS \$10.75 ATS-71P59G

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(Germany) 1961, v. 35, no. 9, p. 262-264.

DESCRIPTORS: *intermetallic compounds.

(Chemistry, TT, v. 8, no. 2)

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II. ATS-71P59G
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Conditions in Stress Optics Using the Method of
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Structural Damping and Velocity of Deforma-
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GERMAN, per, Forsch Gebiete Ingenieurw, No
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Investigations on the Flow of Water in Converging and
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GERMAN, per. Forschungsarbeiten auf dem Gebiete
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AEC Tr-4476

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Pressure Drop in Smooth Pipe Bends, by Hugo Richte
138 pp.

GERMAN, per, Forschungsarb Gebiete Ingenieurw.
No 338, 1930, pp 1-31.

AEC Tr-4469

Sci - Engr
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Action of Sodium Sulfate Against Attack by Sodium
Hydroxide and Magnesium Chloride, by Dr E. Berl,
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93 pp.

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English Title Unknown, by Von A. Naumann.
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Mechanik und Thermodynamik, Vol 2, No 3,
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*NASA TT F-12,615

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Huhn, W. V.
THE VAPOR PRESSURE OF BINARY MIXTURES OF
LIQUIDS AND EXPERIMENTS WITH BENZENE-
TOLUENE AND BENZENE-METAXYLENE MIX-
TURES. [1960] 35p. (15 figs. 3 tables omitted)
32 refs.
Order from SLA ml\$3.00, ph\$6.30

61-10777

Trans. of Forschung auf dem Gebiete des
Ingenieurwesens (Germany) 1931, v. 2, no. 3,
p. 109-113 and v. 2, no. 4, p. 129-138.

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1. Benzenes--Vapor pressure
1. Huhn, W. V.

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GERMAN, per, Forschung auf dem Gebiete des
Ingenieurwesens, 1931, Vol II, No 5, pt 1,
pp 165-178, Vol II, No 6, pt 2, pp 213-217.

SLA 59-10242

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Tests With new Forms of Discharge Nozzles,
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GERMAN, per, Forschung Auf Dem Gebiete des Ingen-
ieurwesens, Vol 2, 1931, pp 387-394. *Pg 11/27266*
SAEC SC-T-66-757.

Sci/Propulsion & Fuels
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The Dynamics of Dust and Its Influence on Dust
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31 pp.

GERMAN, per, Forsch Gebiete Ingenieurw, Vol II A,
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ABC Tr 2077

Scientific - Physics

Mar 55 CTS/DEX

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Investigation of an Elastic Axial Impact
of a Circular Cylindrical Shell, by
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GERMAN, per, Forschung auf dem Gebiete
des Ingenieurwesens, Vol 30, 1964,
pp 177-181.
NTC 72-10283-20K

Apr 72

Concerning the Occurrence of Noises in the Melting
and Hardening of Metals, by J. Kaiser.
GERMAN, per, Forschung auf dem Gebiete des
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NTC 71-14493-11F

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Measurements of Velocity of Flow in Liquid
Metal in Induction Furnaces, by M. Riepe,
H. Ilberg.

GERMAN, per, Forschungen Aus dem Gebiete Des
Ingenieurwesen, Vol II, No II, 1931, pp 1-7.

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Sci - Minerals/Metals, Physics, Engineering

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Heat Transfer From a Wire or Tube to a Gas or
Liquid Steam Flowing Perpendicular to the Axis,
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pp 94-98.

NLL Ref: 9022.09 (4844)

Sci-Phys
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Regularity of Turbulent Flow in Smooth Pipes,
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GERMAN, per, Forsch Gebiete Ingenieurw B 3,
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Sci - Engr
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Fritz, W.
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FACES. [1961] 9p. 2 refs.
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Trans. of Forschung [auf dem Gebiete des Ingenieur-
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DESCRIPTORS: Metals, Surface properties, Machining,
Surfaces.

(Unannounced)

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I. Fritz, W.

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Schmidt, Ernst.
PHOTOGRAPHIC RECORDS OF HEAT TRANSFER
AND THEIR ANALYSIS, tr. by S. Rupprich.
[1933] [11]p.
Order from SLA \$1.60

61-14004

Free trans. from Forschung [auf dem Gebiete des-
Ingenieurwesens] (Germany) 1932, v. 3, no. 4.

DESCRIPTORS: *Heat transfer, Photographic analysis,
*Schlieren photography.

(Unannounced)

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I. Schmidt, E.

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Office of Technical Services

Heat Transfer During Condensation of
Flowing Steam in a Vertical Pipe, by
M. Jakob, et al.
GERMAN, per, Forsch. Gebiete Ingenieurw.
Vol 3, No 4, pp 161-170, 1932
NASA TT F-9473

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Reiher, H.; Meister, F. J.
THE SENSITIVITY OF THE HUMAN ORGANISM TO
IMPACTS. 7p, (figs omitted) 4refs.
Order from SLA: \$1.10 as TT-65-12016

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I. Reiher, H.
II. Meister, F. J.

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THERMAL CONDUCTIVITY OF WATER AT TEM-
PERATURES UP TO 270°C (Wärmeleitfähigkeit des
Wassers bei Temperaturen bis zu 270°C). [1963] [18p]
Order from SLA \$1.60 TT-64-10331.

Trans. of Forschung auf dem Gebiete des Ingenieur-
wesens (Germany) 1932, v. 3 [no. 5] p. 277-286.

(Physics--Thermodynamics, TT, v. 11, no. 12)

TT-64-10331

I. Schmidt, E.
II. Sellschopp, W.

Office of Technical Services

Quantity Measurement With Nozzles and Orifices
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GERMAN, per, Forsch. auf dem Geb. Ingenieurw.
Vol 4, No 1, 1933, pp 11-20. F911026667
AEC SC-T-0763

Sci/Mechan, Indust, Civil
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Bryn, T.
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Order from SLA \$1.10

TT-60-16760

Trans. of Forschung [auf dem] Gebiete [des] Ing
[enieurwesens] (Germany) 1933, v. 4, no. 1, p. 27-30.

(Mechanics, TT, v. 12, no. 5)

TT-60-16760
L. Bryn, T.

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Photodynamic Investigations of Stresses in Per-
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A. H. H. H. H.
GERMAN, per. Forschung auf dem Gebiete des
Ingenieurwesens, Vol IV, No 1, 1933, pp 51-61.
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Sci-Engr
June 64

Tests on the Deposition of Fine Dust, by E.
Kilb.

GERMAN, per, ~~Forschung auf dem Gebiete des~~
~~Ingenieurwesens~~, Section A. Vol V, Jan-Feb
1934, pp 6-13.

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Sci - Chem
Jun 59

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Laws Governing Deposition of Flue Dust, by E.
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GERMAN, per, Forschung auf dem Gebiete des
Ingenieurwesens, Section A, Vol V, Mar-Apr
1934, pp 89-94.

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Schardin, 83 pp.

GERMAN, per, Forsch Gebiete Ingenieur w., 5B
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SLA Tr ⁴ 57-599

Sci - Physics

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Reduction of Flow Losses in Channels by Baffles,
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GERMAN, Ger, Forsch Gebiete Ingenieur, Vol V,
1934, pp 105-117.

AEC 3385

Sci - Phys

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63-18154

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DESCRIPTORS: *Heat transfer, *Thermal conductivity,
*Liquids, Convection, Water, Oils, Test equipment,
Tests, Thermodynamics.

I. Kraussold, H.

(Physics--Thermodynamics, TT, v. 10, no. 11)

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V Rectification of Ternary Mixtures, Especially:
 O_2 - H_2 -Argon Mixtures, by H. Hausen, 16 pp.

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Vol VI, part A, 1935, pp 9-22.

S.L.A. Tr 458/1956

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Scientific -Chemistry

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Cavitation, by A. Reinhardt, 34 pp.

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Ingenieurwesens, Ed. B, Vol VI, Jan -Feb 1935,
PP 1-12, Forschungsheft 370.

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Scientific - Physics

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GRAPHICAL DETERMINATION OF WALL TEMPERATURE DURING HEAT TRANSFER. [1963] 7p.
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Order from SLA \$1.10

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Trans. of Forschung [auf dem Gebiete des Ingenieurwesens] (Germany) 1935, v. 6, no. 5, p. 240-244.
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DESCRIPTORS: *Heat transfer, Bodies of revolution, Temperature, Surface temperatures, Geometric forms.

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DDC RSIC-212

Sci - Engr
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Sci - Aeronautics
NOV Oct 57

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and Indication by Means of an Obstructing Layer
Photo-Electric Cell, by E. ~~de~~ Lehr, H. Granacher,
38 pp.

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SLA 58-64

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Photoelastic Investigation of Three-
Dimensional Stress and Tension Conditions,
by Georg Oppel. FOR GOVERNMENT USE ONLY
GERMAN, per, Forschung auf dem Gebiete des
Ingenieurwesens, Vol VII, No 5, 1936, No 5,
pp 240-248. 9696441
DDC RSIC-258

Sci - Phys
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Aschenbrenner, Josef.
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Order from SLA \$2.60

TT-63-20387

Trans. of Forschung auf dem Gebiete des Ingenieur-
wesens (Germany) 1957, v. 8, no. 3, p. 118-130.

DESCRIPTORS: *Gas flow, Ducts, Internal combustion
engines, Pressure, Velocity, Differential equations,
Numerical analysis, Graphic analysis

(Mechanics--Aerodynamics, TT; v. 11, no. 1)

TT-63-20387

I. Aschenbrenner, J.

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THE CHANGE OF THE FLOW FORM IN METER-
ING NOZZLES (Über Änderungen der Stromungsform
in Messdüsen). [1962] [10]p. 12 refs.
Order from SLA \$1.10

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DESCRIPTORS: Fluid flow, Boundary layer, Flow-
meters, Nozzles, Orifices, Water, Velocity,
Vortices, Low-pressure research, Jets.

(Unannounced)

62-16309

I. Kretzschmer, F.

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Ordinary Fracture, Limited-Time Fracture, and Fatigue Fracture. Appearance and Course of Fracture in Tension Flexure, and Torsion, by A. Thum, 14 pp.

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Sci - Physics.

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Optical Polarization Study in Convergent
Light of the Spatial State of Stress,
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GERMAN, per, Forschung auf dem Gebiete des
Ingenieurwesens, Vol IX, No 2, pp 91-103.

1938. 9696501

DDC RSIC 367

Sci-Phys
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Könnecke, W.
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MEDIUM REYNOLDS NUMBERS (Neue Düsenformen
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[24]p. 12 refs.
Order from SLA \$2. 60 62-16318

Trans. of Forschung auf dem Gebiete des Ingenieur-
wesens (Germany) 1938, v. 9, p. 109-125.

DESCRIPTORS: *Nozzles, Orifices, Range, Flow-
meters, Viscosity, Reynolds number

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Schultes, W. Jaroschek, K., and Werkmeister, H.
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